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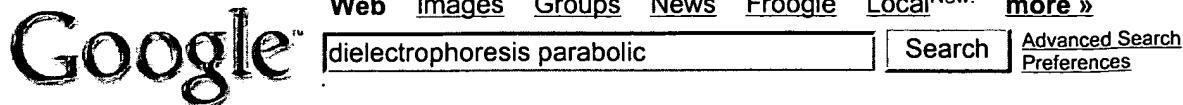
We assign this trapping to strong **dielectrophoresis** due to the high electric field ... of DNA in a wedge gel with **hyperbolic** geometry (Frumin et al., 2001). ...
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Unless steps are taken to influence the profile, it will be **parabolic** in form
and the fluid ... The technique of **dielectrophoresis** combined with field flow ...

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phenomenon such as **dielectrophoresis** (DEP) can be used to. move and discriminate matter. If the goal is to build small, ... is almost perfectly **parabolic** ...
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in the **parabolic** velocity profile of liquid flowing through the. chamber. ... tation by **dielectrophoresis** can facilitate particle separation ...
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ESA Outreach: Student Parabolic Flight Campaign

The European Space Agency is resuming the organisation of **parabolic** flight ... is called **dielectrophoresis**), and then, otoliths will touch the cilia. ...
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Dielectrophoresis (DEP) is a well known effect that occurs ... the drag force on the particles have a **parabolic** distribution ...
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Microband electrode arrays - Patent 6110354

(1987) "Electrochemistry at Pt **band electrodes** of width approaching molecular ... or as driving electrodes for electrophoresis or **dielectrophoresis** ...

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Microband electrode arrays - Patent 6790341

11 is a steady-state cyclic voltammogram for Au **band electrodes** ... or as driving electrodes for electrophoresis or **dielectrophoresis** ...

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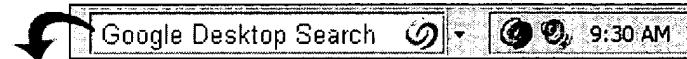
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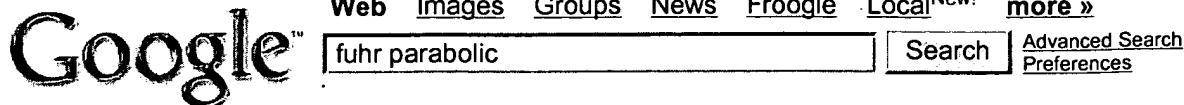


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Journal of Physics: Conference Series Volume 7

121, **Parabolic** approximation, radiative transfer and time reversal Albert C Fannjiang
... G **Fuhr**, S Benkadda, P Beyer, X Garbet, P Ghendrih and Y Sarazin ...
www.iop.org/EJ/toc/1742-6596/7/1 - Similar pages

Preprints

... Anthony, Convergence of a finite volume scheme for nonlinear degenerate
parabolic equations. 00-18, **Fuhr**, Harmut - Hwang, Wen-Liang - Torrésani, Bruno ...
bibcni.univ-mrs.fr/prepub/liste_annees.php?date=2000-13k - Nov 7, 2005 - Cached - Similar pages

[PDF] No Job Name

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reaching higher positions in the **parabolic** velocity profile of the ... **Fuhr**,
G.; Wagner, B.; Zimmermann, U. Naturwissenschaften 1996, 83, 172- ...
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al., 1991; **Fuhr** et al., 1992); these rely on the electrical properties of the
... In general, the data at the section $x = -4$ cm fits its **parabolic** profile ...
www.people.vcu.edu/~gadelhak/Micropump.pdf - Similar pages

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In the late 1990s, the research group lead by G. **Fuhr** was the first ... speed at
mid-height of the **parabolic** flow profile). Taking the ...
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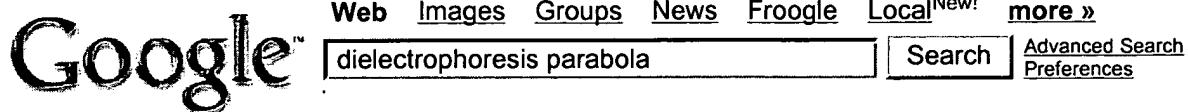
The **parabolic** flow profile is approximately linear when the particle is close to the
... Schnelle, T., T. Muller, G. Gradl, SG Shirley, and G. **Fuhr**. 1999b. ...
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Radsport Aktiv > Specials > Der Ruhm der Zweitplatzierten - [Translate this page]

... endlich zu erfüllen. Er nutzte eine Schwäche des damals dominierenden Bernard
Hinault und **fuhr** sechs Tage im Gelben Trikot. Als am ...
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experiencing a **parabolic** HD drag force; (B) Release flow rate and holding ...
searchers (**Fuhr** et al., 1992a). At this point, the holding ...
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microfluidic devices adopting **dielectrophoresis**, 4.5. isoelectric. focusing,
... depth; that is, the partial area of the **parabola** is proportional ...

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Research Overview

The flow profile in an FFF channel can be described by a **parabola** with the highest
... They include **dielectrophoresis**, analytical particle electrophoresis, ...

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Medical Design Magazine :: Labs-On-A Chip Spur Multiphysics ...

... flow in the channel is slow and laminar as indicated the **parabola** to the left.

... For instance, a **dielectrophoresis** force is generated by a molecule ...

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Dielectrophoresis is the movement of particles in non-. uniform alternating and
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To excellent approximation, the transverse profile is a **parabola**, $h(x,y,t) =$

$hc(x,t)(1 + 4y^2/w^2)$... of aqueous liquids: electrowetting and **dielectrophoresis** ...

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Surface-Based Solid-Liquid Separations Involving a Second Liquid Phase ...

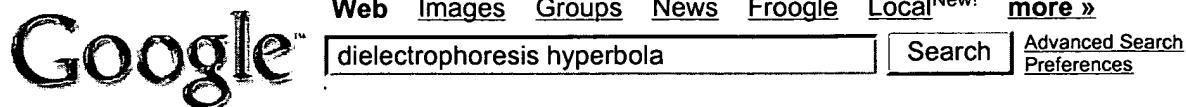
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8 depicts a microchannel configured to move fluids via **dielectrophoresis** ...

interface tension as an inverted **parabola** horizontally offset by v.sub.PZC. ...

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Field; this is known as positive Dielectrophoresis. However in certain circumstances, ... the latter, the curves are **hyperbola**. inside the cylinder. ...

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EP1211510

... Capillary electrophoresis and **dielectrophoresis** in which several segments filled with at ... vessel with the outer borders shaped as a **hyperbola** will generate a ...

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Abstract of All Papers presented to 2003 Annual Meeting of The ...

It seems that **dielectrophoresis** will make them oriented because of The difference of ... in a strict sense, The form of a **hyperbola** electrode automatically ...

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[0002] electrophoresis (EP), **dielectrophoresis** and electrochromatography are widely used techniques ... [0118] A **hyperbola** is described by formula $y=A/x$

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half focal distance of **hyperbola**. dielectric displacement. electric field.

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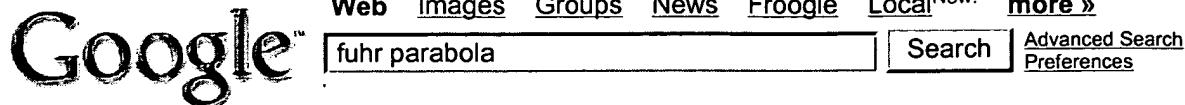
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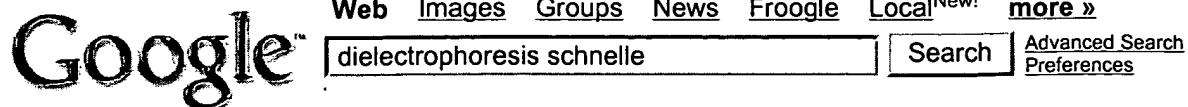
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More advanced dielectrophoretic traps have been developed [Schnelle et al. ...]

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[5]: Fuhr G, Schnelle T, Müller, T, Glasser H, Lisec T and Wagner B 1995 ...

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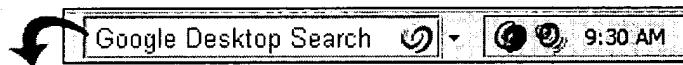
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